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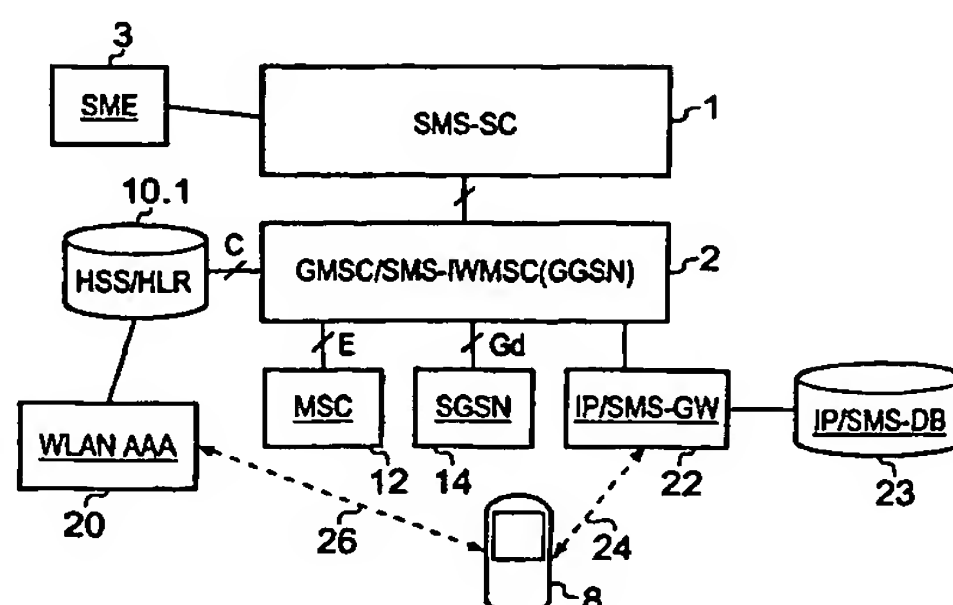
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- (71) Applicant (for all designated States except US): ORANGE SA [FR/FR]; 6, Place d'Alleray, F-75015 Paris Cedex 15 (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HARRIS, Martin, Barkley [GB/GB]; 22 Kingsholm Road, Southmead, Bristol BS10 5LH (GB). SAMPSON, Nick [GB/GB]; 253A Gloucester Road, Bishopston, Bristol BS7 8NY

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(54) Title: TELECOMMUNICATIONS SYSTEM



(57) Abstract: A telecommunications system provides a facility for communicating a Short Message Service (SMS) message to a mobile user equipment using a subscriber identity number when the mobile user equipment is communicating via an Internet Protocol network using an Internet Protocol (IP) communication being terminated on the IP network. The system comprises an SMS network including a Short Message Service Centre (SM-SC), a gateway mobile switching centre (GMSC), the SMS network providing a facility for communicating SMS messages, and an Internet Protocol/SMS (IP/SMS) gateway for communicating between the SMS network and the IP network. The system also includes a home location database for maintaining address data identifying a current location of a mobile user equipment. The gateway mobile switching centre is operable in response to the SMS message to interrogate the home location database for an address to which the SMS message should be sent. The home location database is operable to provide the gateway mobile switching centre with an address of the IP/SMS gateway, which has been stored in association with the subscriber identity number. The gateway switching centre is operable to send the SMS message to the IP/SMS gateway. The IP/SMS gateway is operable to retrieve an, Internet Protocol address corresponding to the mobile subscriber number pre-stored in an IP/SMS database associated with the IP/SMS gateway. The IP/SMS gateway communicates the SMS message to the mobile user equipment at the retrieved IP address via the IP network.



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